ABSTRACT

TITLE: CLINICAL AND RADIOLOGICAL EVALUATION OF NOVABONE PUTTY WITH PRF MEMBRANE FOR THE TREATMENT OF GRADE II FURCATION INVOLVEMENT- A RANDOMIZED CONTROLLED TRIAL

Background: Complexity of furcation morphology often results in difficulty in the treatment of multirooted teeth. Reconstruction of the lost or injured parts of periodontium stands as the ultimate goal of periodontal therapy. In this study, mandibular molar Grade II furcation defects were treated either with a combination of Novabone putty + PRF or with Novabone putty alone.

Materials & Methods: Nine patients diagnosed as generalized chronic periodontitis having clinical and radiographic evidence of bilateral Grade II furcation defects were enrolled for the study. The test sites were treated with Novabone putty + PRF and control sites with Novabone putty alone.

Results: Both the test group and the control group showed statistically significant improvement in all the clinical and radiographic parameters at the end of 6 months. On intergroup comparison no significant difference exists between the group, except for the significant gain in CAL for the test group.

Conclusion: The results of the study revealed that there is no significant difference in the clinical outcomes between a monotherapy of bioactive glass and a combination therapy of bioactive glass + PRF, but higher gain in CAL in the combination therapy signifies new attachment.

Key words: Novabone putty, PRF, CAL, Grade II furcation